



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

Application Number	10/821,038
Filing Date	April 7, 2004
First Named Inventor	Li
Art Unit	2631
Examiner Name	not yet assigned
Attorney Docket Number	012.P3002

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
<i>Number-Kind Code² (if known)</i>				
	1	US- 4,635,063	01/06/1987	Chang et al.
	2	US- 5,028,931	07/02/1991	Ward
	3	US- 5,315,532	05/24/1994	Comon
	4	US- 5,383,164	01/17/1995	Sejnowski et al.
	5	US- 5,596,333	01/21/1997	Bruckert
	6	US- 5,949,833	09/07/1999	Weerackody
	7	US- 5,959,966	09/28/1999	Torkkola
	8	US- 5,982,327	11/09/1999	Vook et al.
	9	US- 6,018,317	01/25/2000	Dogan et al.
	10	US- 6,128,276	10/03/2000	Agee
	11	US- 6,160,839	12/12/2000	Zhang
	12	US- 6,188,913	02/13/2001	Fukagawa et al.
	13	US- 6,201,955	03/13/2001	Jasper et al.
	14	US- 6,236,862	05/22/2001	Erten et al.
	15	US- 6,298,082	10/02/2001	Harrison
	16	US- 6,314,305	11/06/2001	Solondz et al.
	17	US- 6,314,394	11/06/2001	Finn
WMA	18	US- 6,321,200	11/20/2001	Casey
	19	US- 6,370,129	04/09/2002	Huang

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
<i>Country Code³-Number⁴-Kind Code⁵ (if known)</i>				
	20	EP 1 152 548	07.11.2001	Lucent Technologies
	21	WO 94/29967	22.12.1994	The Salk Institute
	22	WO 98/37638	27.08.1998	AT&T Wireless
	23	WO 98/37654	27.08.1998	AT&T Wireless
WMA	24	WO 98/58450	23/12/1998	Clarity, LLC
	25	WO 98/59450	30/12/1998	Motorola, Inc.

Examiner Signature	<i>SP</i>	Date Considered	<i>08/18/07</i>
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 15

Complete if Known

Application Number	10/821,143 039
Filing Date	April 7, 2004
First Named Inventor	Li
Art Unit	2631
Examiner Name	not yet assigned
Attorney Docket Number	012.P3001

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	26	US- 6,404,386	06/11/2002	Proctor, Jr. et al.	
	27	US- 6,453,177	09/17/2002	Wong et al.	
	28	US- 6,665,545	12/16/2003	Raleigh et al.	
	29	US- 2001/0005685	06/28/2001	Nishimori et al.	
	30	US- 2002/0101942	08/01/2002	Lindgren et al.	
	31	US- 2003/0072382	04/17/2003	Raleigh et al.	
CMBS	32	US- 2003/0220112	11/27/2003	Bugeja	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	33	WO 99/10993	04.03.1999	Nokia Telecommunications		
	34	WO 99/55030	28.10.1999	Telecordia Tech.		
	35	WO 00/33526	08.06.2000	Ericsson, Inc.		
	36	WO 01/65725	07.09.2001	Nokia Networks OY		
CMBS	37	WO 02/093784	21.11.2002	Qualcomm Inc.		
	38	WO 02/47286	13.06.2002	Nokia Corporation		

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Date Considered

07/18/07

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Substitute for form 1449/PTO		<i>Complete if Known</i>			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number		10/821,743 038	
		Filing Date		April 7, 2004	
		First Named Inventor		Li	
		Art Unit		2631	
		Examiner Name		not yet assigned	
Sheet	3	of	5	Attorney Docket Number	012.P3001

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	39	TEW-AP100 11 Mbps Wireless Access Point Product Description; www.trendward.com/products/TEW-AP100.htm; 10/29/01; 4 pages.		T ²
	40	Compaq WL400 11 Mbps Wireless LAN Hardware Access Point Product Description; www.compaq.com/products/wireless/wlan/wl400-specifications.html; 10/29/01; 2 pgs.		
	41	Wireless Protocols: ewd's Valhalla Series Wireless Processors; www.ewdi.com/dp.dpml?dplevel=2; 10/29/01; 2 pages.		
	42	DIMITRIADIS et al.; "Enhanced Cellular Network Performance with Adaptive Coverage Based on Position Location of Mobile Terminals"; white paper; 4 pgs.		
	43	GESBERT et al.; "Technologies and Performance for Non-Line-of-Sight Broadband Wireless Access Networks"; IEEE Communications Magazine; April 2002; pgs. 86-95.		
	44	POON et al.; "Multiple-Antenna Channels From A Combined Physical and Networking Perspective"; white paper; 5 pages.		
	45	BANA et al.; "Space Division Multiple Access (SDMA) for Robust ad hoc Vehicle Communication Networks"; The IEEE 4th Int'l. Conference on Intelligent Transportation Systems; white paper; 6 pages.		
	46	PAULRAJ et al.; "Smart Antennas for Mobile Communications"; Encyclopedia for Electrical Engineering; John Wiley Pub.Co.; 2000; 15 pgs.		
	47	OLSON, STEVEN C.; "Antenna Technologies for Wireless Solutions"; white paper/presentation; 9/10/98; 35 pages.		
CM	48	"A Guide to IEEE 802.11b Wireless Networking Technology"; SMART Modular Technologies, Inc. 2001; 32 pages.		

Examiner Signature		Date Considered	08/18/07
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		Filing Date	April 7, 2004		
		First Named Inventor	Li		
		Art Unit	2631		
		Examiner Name	not yet assigned		
Sheet	4	of	5	Attorney Docket Number	012.P3002

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	49	SARRIGEORGIDIS et al., "Massively Parallel Wireless Reconfigurable Processor Architecture and Programming", white paper, 8 pages.			
	50	MAEDA et al., "Blind Signal Separation Via Simultaneous Perturbation Method", white paper, 4 pages.			
	51	RABAЕY, Jan M., "Silicon Architectures for Wireless Systems-Part 1", Berkeley Wireless Research Center white paper, 52 pages.			
	52	RABAЕY, Jan M., "Silicon Architectures for Wireless Systems-Part 2 Configurable Processors", Berkeley Wireless Research Center white paper, 66 pages.			
	53	RABAЕY, Jan M.; "Wireless Beyond the Third Generation-Facing the Energy Challenge"; Berkeley Wireless Research Center; ISLPED 2001, Huntington Beach; 38 pages.			
	54	Micronet SP900 Series RadioLink Wireless LAN Product Information Sheet; March 2001; 4 pages.			
	55	DEVLIN, MALACHY Ph.D.; "How to Make Smart Antenna Arrays"; Xcell Journal; Spring 2003, 4 pages.			
	56	"Smart Antenna Technology and Applications" Symposium Presentation, 40 pages.			
	57	ELLINGSON et al., "Open Loop Forward Link Beamforming with Diversity Switching", IEEE Transactions on Vehicular Technology, April 30, 2001, 22 pages.			
CRS	58	TEHRANI, ARDAVAN MALEKI, "Space-Time Coding Over a Code Division Multiple Access System", IEEE 1999, pgs. 134-138.			

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		Filing Date	April 7, 2004		
		First Named Inventor	Li		
		Art Unit	2631		
		Examiner Name	not yet assigned		
Sheet	5	of	5	Attorney Docket Number	012.P3002

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	59	POON et al., "An Adaptive Multi-Antenna Transceiver for Slowly Flat Fading Channels", white paper, 3/13/02, 20 pages.			
	60	LACKPOUR, et al., "Architecture and Predicted Performance of an IEEE 802.11b-like WMAN Transceiver at 5.8GHz", white paper, 7 pages.			
	61	LIU, et al., "A System-Theoretic Foundation For Blind Signal Separation of Mimo-Fir Convulsive Mixtures - A Review", white paper, 7 pages.			
<i>CMY</i>	62	KELLY, RYAN, "A Space Division Multiple Access System - An Analysis and Prototype Proposal, ENEL 698 Final Project Report, 12/17/97, 66 pgs.			

Examiner Signature	<i>8</i>	Date Considered	<i>08/15/07</i>
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